SPACECRAFT STATUS

(Since January 1999 GPMC)

- Successfully Completed Pre-ship Spacecraft Comprehensive Performance Testing In March 1999
 - Subsequent To A Number of Rework Items
 - Plasma Arcing Fix to Solar Array Successfully Implemented
 - PN Encoding to The High Rate Science Data Successfully Implemented
 - Diode Fix to the Attitude Control Electronics Successfully Implemented
 - Resistor Fix to Eliminate MODIS Electronic Crosstalk Successfully Implemented
 - S-Band Transponder Firmware Fixes Successfully Implemented
 - CERES Voltage Regulators Successfully Replaced'
 - New Capacitors Added To HGA To Correct Polarity
 - New 1553 Harness To Increase Margin
- Conducted Pre-Ship Review With Oversight By A Number Of Review Teams:
 - Code 300 Pre-Ship Review Team
 - Senior Review Group (SRG)
 - External Independent Readiness Review (EIRR)
 - Lockheed Mission Success Reviews
- Successfully Transported Spacecraft From Valley Forge To VAFB Via C5
- Successfully Completed Post-Ship Spacecraft Comprehensive Perf. Testing
- ESDIS Project Successfully Completed The Flight Operations System (FOS)
 To The EOS Mission Operations System (EMOS) Conversion
 - ESDIS Project Conducted Delta-Flight Operations Review (Delta-FOR) In August

SPACECRAFT STATUS (cont.)

(Since January 1999 GPMC)

- Conducted 4 Formal End-To-End Tests Between The Spacecraft And The EOC, 1 At Valley Forge, 3 At VAFB
 - Allowed Incremental Testing With New EOC Builds And Configurations
 - Invaluable Training Exercises For Management, Flight And Ground Operations Support Teams
 - Validation Of On-Orbit Operational Procedures
 - Refinement Of Operational Concepts/Requirements
 - Over 200 Hours Of Test Time
- Conducted Numerous Rehearsals And Simulations
 - Joint Spacecraft/ EOC Launch Countdown Rehearsals
 - Critical Events Simulations
 - Instrument Activation Simulations
- Fueled Spacecraft On October 22nd.
- Mated Spacecraft To Launch Vehicle Adapter On November 6th
- Transferred Spacecraft To Vertical Transportation Fixture On Nov 10th

LAUNCH VEHICLE STATUS

- AC-141 On-Stand For Over Two Years
 - Numerous review teams have concluded that the protection is as good as if it had been stored at the factory
- Conducted Successful Wet Dress Rehearsal in August 1999
 - Sixth WDR conducted at WTR on AC-141
- AC-141 Flight Readiness Has Been on Hold Pending the Resolution of the May 4th Delta III RL-10 Engine Failure Investigation
 - All Failure Investigation Teams Converged On A Single Root Cause
 - An RL-10 Engine Combustion Chamber Brazed Joint Failed, Causing Loss Of The Delta III Mission. Same Brazed Joint Exhibited Leaks During Ground Hot-Fire Tests.
 - Finite Element Analyses Performed To Determine Stress Margins In Combustion Chamber Joints
 - Conducted A Series Of Ultrasonic Inspections Of The AC-141 RL-10 Engine Brazed Joints
 - For AC-141, The Critical Voids Were In The High Pressure Region Of Chamber
 - LMA Confirmed That At Least 10 Engines Have Flown With Larger Voids

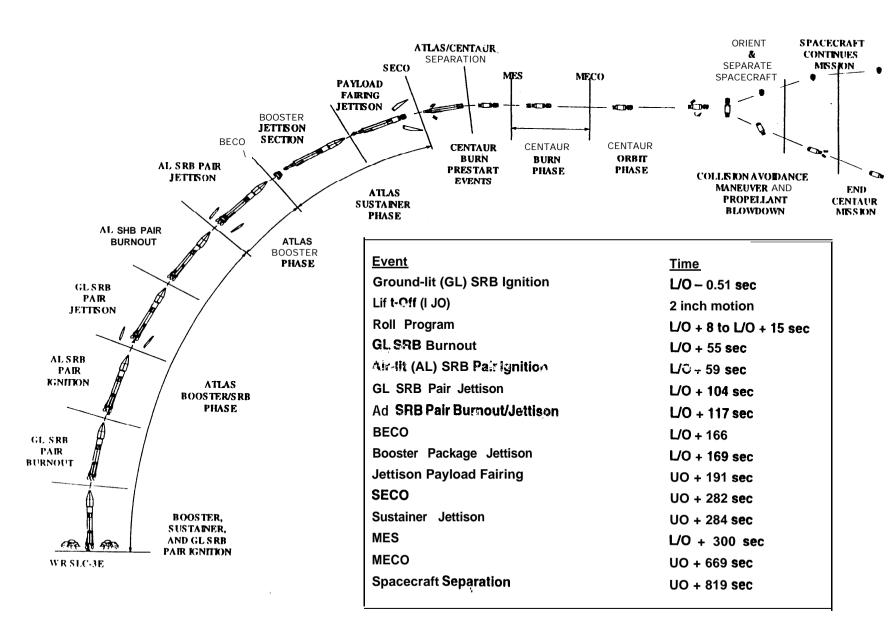
LAUNCH VEHICLE STATUS (cont.)

- On October 25th, KSC LVRR Board Cleared AC-141 To Fly Pending The Completion Of A Number Of Actions
 - Delta-LVRR Scheduled For November 18th To Close All Actions
- Launch Date Manifest Dependencies
 - December 16/17th Is Presently Reserved On The Range For Terra
 - UHF ATLAS Launch At ETR Scheduled-For November 21st
 - STS Launch Is Presently Scheduled For December 6th
 - Ten Day Hubble Servicing Mission
 - DMSP Launch Tentatively Re-planned For December 13/14
 - KOMPSAT Launch Tentatively Re-planned For December 19/20
 - Minuteman Launch Tentatively Scheduled For December 10
 - Tomahawk Launch Tentatively Scheduled For December 14
- KSC Position Is That Terra Launch Will Be NET December 16th
- Conclusion: At The Present Time, December 16th & 17th Are The Only Launch Dates Available This Year



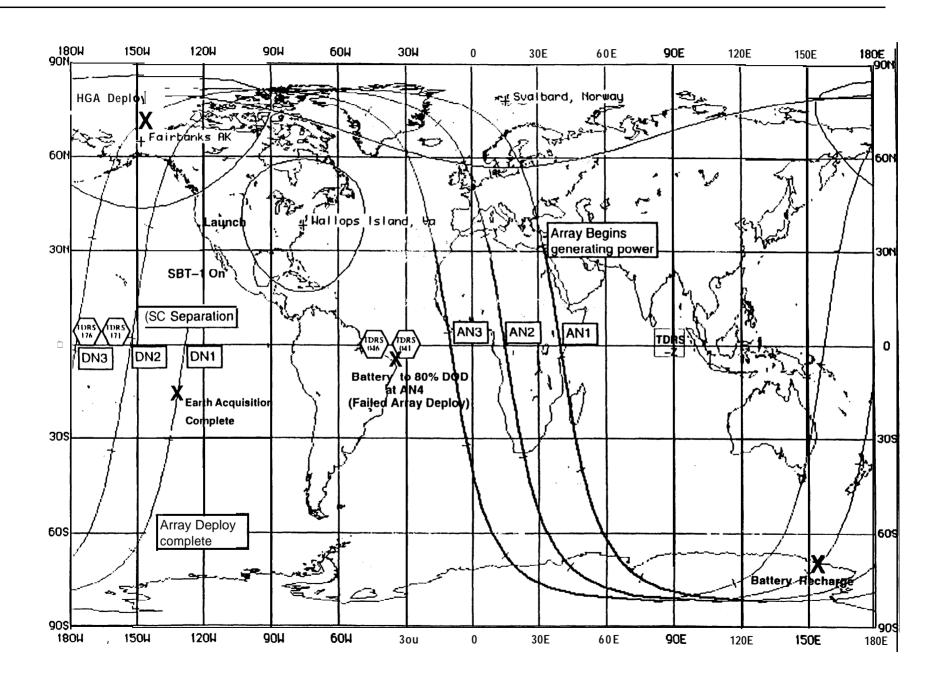
EOS Terra Boost Profile

EXPENDABLE LAUNCH VEHICLES

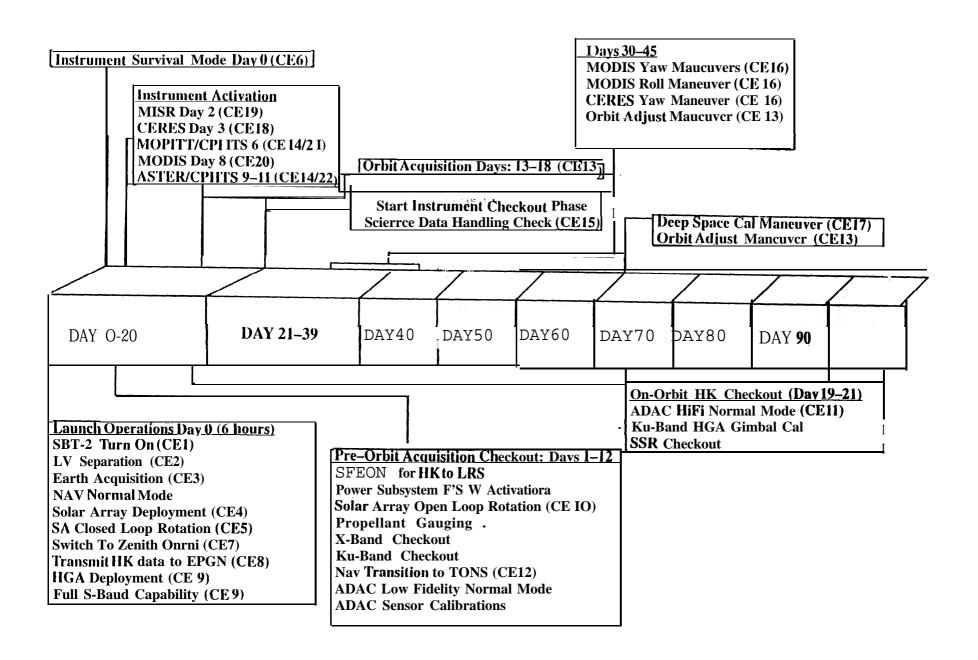


EOS AM-1 EARLY ORBITS' GROUND TRACK





EOS AM-I Mission Timeline Overview



FLIGHT SEGMENT SUMMARY

- CONDUCTED SUCCESSFUL PRE-SHIP REVIEW IN APRIL OF THIS YEAR
 - -- COMPLETED RIGOROUS SPACECRAFT-LEVEL ENVIRONMENTAL TEST PROGRAM
 - ALL RFA's FROM CODE 300 REVIEWS ARE CLOSED
- SUCCESSFULLY INCORORATED A NUMBER OF RISK MITIGATION CHANGES TO THE SPACECRAFT
 AND INSTRUMENTS DURING THE DELAY FOR DEVELOPMENT OF THE NEW GROUND SYSTEM
- ESTABLISHED THE OPERABILITY OF THE SPACECRAFT VIA AN AGGRESSIVE SCHEDULE OF END-TO-END TESTS WITH EOC
 - FLIGHT OPS TEAM AND TERRA CONTROL CENTER READINESS WAS ESTABLISHED DURING A SERIES OF ETE TESTS WITH THE SPACECRAFT AND REHEARSALS USING THE SPACECRAFT SIMULATOR
 - OPERATIONS PRODUCTS DEVELOPED UNDER THE DIRECTION OF THE LMMS VALLEY FORGE ENGINEERS AND UNDER CM CONTROL
- CONDUCTED SUCCESSFUL LAUNCH CAMPAIGN AT THE WESTERN TEST RANGE, INCLUDING FUELING, LAUNCH VEHICLE ADAPTER MATE AND ENCAPSULATION CLEARANCE CHECKS
 - ALL PR's AND ADR's GENERATED AT THE LAUNCH SITE HAVE BEEN CLOSED
 - SPACECRAFT LSE SET-UP ON PAD AND AWAITING SPACECRAFT ARRIVAL

TERRA SPACECRAFT AND INSTRUMENTS ARE READY FOR LAUNCH